Annex F

Odour Patrol Result



ALS Technichem (HK) Pty Ltd 11/F, Chung Shun Knitting Centre 1-3 Wing Yip Street Kwai Chung, N.T., Hong Kong <u>T</u>+852 2610 1044 <u>F</u>+852 2610 2021

	CERTIFICATE OF ANALYSIS											
CLIENT:	OSCAR BIOENERGY JOINT VENTURE	WORK ORDER:	HK22236298									
CONTACT:	MS ANGEL TJIA											
ADDRESS:	NO. 5, SHAM FUNG ROAD, SIU HO WAN, NORTH LANTAU ISLAND, NT, HONG KONG	LABORATORY: SUB-BATCH: DATE OF PATROL: DATE OF ISSUE:	HONG KONG 0 09 SEPTEMBER, 2022 21 SEPTEMBER, 2022									
PROJECT:	ODOUR PATROL FOR THE ORGANIC RESOURCES RECOVERY CENTRE PHASE 1 IN SIU HO WAN	SAMPLE TYPE:	ODOUR PATROL									
SITE:	ORGANIC RESOURCES RECOVERY CENTRE PHASE 1 (O-PARK 1)	NO. OF LOCATIONS:	8									

COMMENTS

Odour Patrol was conducted by the staff of ALS Technichem (HK) Pty Ltd during 10:19 - 10:41 and 15:46 - 16:03.

Sampling information (Project name, Sample ID) is provided by client.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

The results related only to the items tested. All pages of this report have been checked and approved for release.

q Managing Director - Hong Kong

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1. Summary of Work

The odour patrol was conducted during daytime and evening time.

2. Odour Patrol

Odour patrolling is a process to make use of the calibrated olfactory senses (i.e. the nasal sense) of the patrol members to evaluate the odour and its intensity during a patrol exercise at the site.

The patrol work was conducted by two odour patrol team members from ALS Technichem (HK) Pty Ltd during each time session. All members are free from any respiratory diseases during patrol day. None of the members has been working or living in the area of the vicinity of the inspection zone.

The patrol team was required to move slowly from one to the other monitoring locations and use their olfactory senses to detect odour at each location.

The location of odour sources and the areas to be affected by the odour nuisance were identified as much as possible.

During the patrolling, the meteorological and surrounding information were recorded:

- the prevailing weather condition;
- the wind direction;
- the wind speed;
- location where odour is spotted;
- possible source of odour;
- perceived intensity of the odour;
- duration of odour; and
- characteristics of the odour detected.

The perceived intensity is to be divided into 5 levels which are ranked in an ascending order as follows:

0	Not detected	No odour perceives or an odour so weak that it cannot be easily characterised or described						
1	Slight	Identifiable odour, slight						
2	Moderate	Identifiable odour, moderate						
3	Strong Identifiable odour, strong							
4	Extreme	Severe odour						

The odour patrol location was shown in Appendix 1.



3. Odour Patrol Result:

3.1 Daytime:

Location	Panellist	Weather	Time	т	RH	ws	WD (Degree)	Odour	Duration of	Direction from	On-Site Observation	
Loca	Pane	Wea	Time	(°C)	(%)	(m/s)	W (Deg	Intensity	Odour	Source	Odour Characteristics	Potential Odour Source
8	1	Current	10:19		53.8	0.0		0	NA	NA	NA	NIA
0	2 Sunny 1	10:19	35.6	53.0	0.0		0	INA	INA	NA	NA	
7	1	Current	Sunny 10:22 34.5	24 F	55.7	0.0		1	Continuous	NA		Pre-Treatment
	2	Sunny		55.7	0.0		1	Continuous	NA	Garbage	Hall	
2	1	Guardia	10.05	33.6	F (0	0.7	121 -	0	NIA		NIA	NA
2	2	Sunny	10:25		56.9			0	NA	NA	NA	NA
2	1	c	10.07	22.0	F7 F		100	0			NA	NA
3	2	Sunny	10:26	33.8	57.5	0.5	132	0	NA	NA		
F	1	– Sunny	Sunny 10:29	22.4	(0.7	0.0		1	Continuous	NIA	Crossy	
5	2			33.4	60.7	0.0		1	Continuous	NA	Grassy	Vegetation



cation	ellist	ther	-	т	RH	ws	WD egree)	Odour	Duration of Odour	Direction from Source	On-Site Observation					
Loca	Panellist	Weather	Time	(°C)	(%)	(m/s)	W (Deg	Intensity			Odour Characteristics	Potential Odour Source				
6	1	Sunny	10:32	33.3	53.7	1.1	169	1	Continuous	Side wind	Garbage	Pre-Treatment Hall				
	2	Samy		00.0	2017			1								
9	1	6	10:36	33.2	58.1	0.9	301	0	NA	NA	NA	NA				
7	2	Sunny	10.50	55.2	50.1	0.7	501	0	NA	NA						
10	1	Comment	Suppy	Suppy	Sunny	Suppy	10:41	27.3	() F			0	NA	NA	NA	
10	2	Sunny	10:41	27.3	62.5	0.0		0		INA	INA	NA				

Remark:

T:

Air Temperature ; Relative Humidity; Wind Speed; Wind Direction. RH:

WS:

WD:



3.2 Evening time:

tion	Panellist	ther	T '	т	DU (9()	ws	WD (Degree)	Odour	Duration of	Direction	On-Site Observation	
Location	Pane	Weather	Time	(°C)	RH (%)	(m/s)	WD (Degre	Intensity	Odour	from Source	Odour Characteristics	Potential Odour Source
8	1	Sunny	15:46	33.5	51.4	0.0	347	0	NA	NA	NA	
0	2	Sunny	13.40	55.5	51.4	0.9	547	0		NA	ΝA	NA
7	1	Sunny	15:48	33.6	51.5	0.5	107	1	Continuous	Side wind	Garbage	Pre-Treatment
	2	Sunny	15.40	00.0	51.5	0.5	107	1	Continuous		Curbuge	Hall
2	1	Sunny	15:51	33.5	5 53.6	0.0		1	Continuous	NA	Biogas	Biogas Tank
Z	2	Sunny		55.5				1	Continuodo		Diogas	Valve Holder
3	1	Sunny	15:52	32.8	57.1	0.0		0	NA	NA	NA	NA
5	2	Sunny	13.32	52.0	57.1	0.0		0		NA	NA .	NA
5	1			22.0	54.9			1	Continuous		Graggy	Vegetation
5 2	Sunny	15:55	33.9	56.8	0.0		1	Continuous	NA	Grassy	Vegetation	



tion	ellist	ther	Time	т	RH	ws	D Iree)	Odour	Duration of	Direction from	On-Site Observation	
Location	Panellist	Weather	Time	(°C)	(%)	(m/s)	WD (Degree)	Intensity	Odour	Source	Odour Characteristics	Potential Odour Source
6	1 Sunny 15:58 3	15.58	33.8	56.5	0.6	318	0	NA	NA	NA	NA	
0		55.0	50.5	0.0	510	0	NA					
9	1		16.00	32.4	4 55.8	0.8	305	0	NA	NA	NA	NA
	Sunny 16:00	52.4	55.0	0.0	505	0	NA	NA	NA	INA		
10	1 10 2 2	6	ny 16:03	29.6	57.3	-		0	NA	NA	NA	NA
10		Sunny		27.0	57.5			0	NA			INA

Remark:

T:

Air Temperature ; Relative Humidity; Wind Speed; Wind Direction. RH:

WS:

WD:

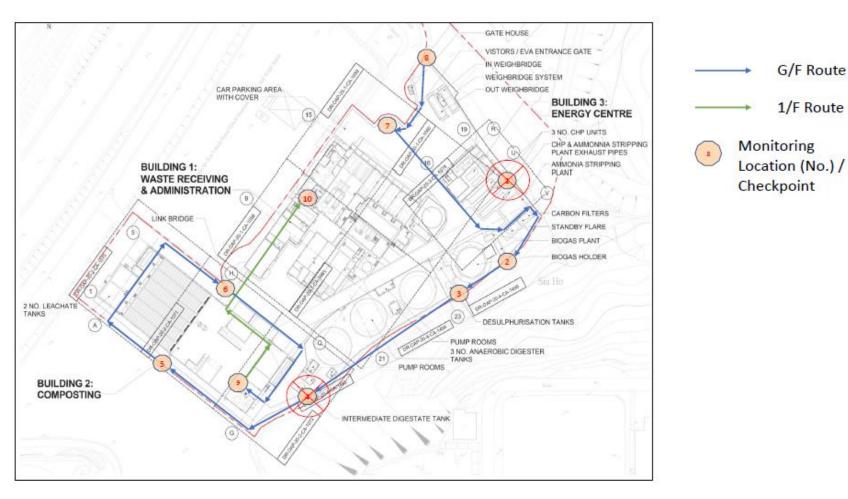


G/F Route

1/F Route

APPENDIX 1

Odour Patrol Route





Work Order: HK2236298

APPENDIX 2

A2.1 Odour Patrol at Different Locations - Daytime (First round)



Location: 2



Location: 7



Location: 3



Location: 8



Location: 5



Location: 9



Location: 6



Location: 10 Page 8 of 11

Work Order: HK2236298



A2.2 Odour Patrol at Different Locations - Evening time



Location: 2



Location: 3



Location: 5



Location: 6



Location: 7



Location: 8



Location: 9

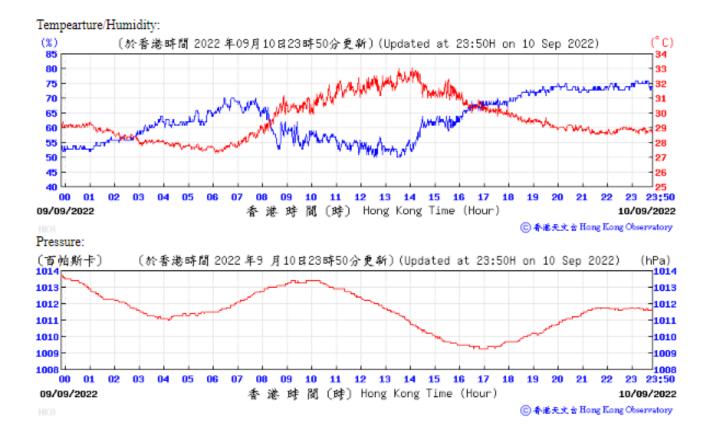


Location: 10

Page 9 of 11

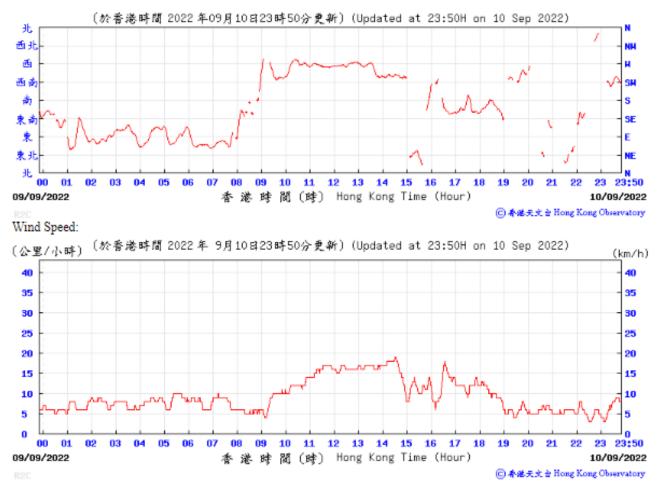


Extract of Meteorological Observations from Hong Kong Airport Observatory Station





Wind Direction:



Page 11 of 11



	CERTIFICATE OF ANALYSIS											
CLIENT:	OSCAR BIOENERGY JOINT	WORK ORDER:	HK2237519									
CONTACT:	MS ANGEL TJIA											
ADDRESS:	NO. 5, SHAM FUNG ROAD, SIU HO WAN, NORTH LANTAU ISLAND, NT, HONG KONG	LABORATORY: SUB-BATCH: DATE OF PATROL: DATE OF ISSUE:	HONG KONG 0 22 SEPTEMBER 2022 3 OCTOBER 2022									
PROJECT:	AD HOC ODOUR PATROL FOR THE ORGANIC RESOURCES RECOVERY CENTRE PHASE 1 IN SIU HO WAN	SAMPLE TYPE:	ODOUR PATROL									
SITE:	ORGANIC RESOURCES RECOVERY CENTRE PHASE 1 (O- PARK 1)	NO. OF LOCATIONS:	8									

COMMENTS

This was an ad hoc odour patrol event requested by the client and conducted by ALS Technichem staff during 10:33 - 10:57 on 22nd September 2022.

Sampling information (Project name, Sample ID) is provided by client.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

The results related only to the items tested. All pages of this report have been checked and approved for release.

Richard

Managing Director

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1. Summary of Work

This ad hoc odour patrol was conducted at eight (8) selected locations as requested by the client.

2. Odour Patrol

Odour patrolling is a process to make use of the calibrated olfactory senses (i.e. the nasal sense) of the patrol members to evaluate the odour and its intensity during a patrol exercise at the site.

The patrol work was conducted by two odour patrol team members from ALS Technichem (HK) Pty Ltd during each time session. All members are free from any respiratory diseases during patrol day. None of the members has been working or living in the area of the vicinity of the inspection zone.

The patrol team was required to move slowly from one to the other monitoring locations and use their olfactory senses to detect odour at each location.

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During the patrolling, the meteorological and surrounding information were recorded:

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- the wind direction;
- the wind speed;
- location where odour is spotted;
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- perceived intensity of the odour;
- duration of odour; and
- characteristics of the odour detected.

The perceived intensity is to be divided into 5 levels which are ranked in an ascending order as follows:

0	Not detected	No odour perceives or an odour so weak that it cannot be easily characterised or described
1	Slight	Identifiable odour, slight
2	Moderate	Identifiable odour, moderate
3	Strong	Identifiable odour, strong
4	Extreme	Severe odour

The odour patrol location was shown in Appendix 1.



3. Odour Patrol Result:

Location	Panellist	Weather	Time	т	RH	ws	WD (Degree)	Odour	Duration of	Direction from	On-Site Observation	
Loca	Pane	Wea	Time	(°C)	(%)	(m/s)	6əQ) M	Intensity	Odour	Source	Odour Characteristics	Potential Odour Source
0	1	Sunny	10:33	30.4	72.0	3.2	176	1	Intermittent	Side wind	Garbage	Pre-treatment Hall
0	8 Sun	Sunny	10.55	30.4	72.0	5.2	170	1	mermillen	Side wind	Garbage	Fre-treatment Hall
7	1	Cupru	10.25	30.2	73.9	0.0	0.9 245	0	NA		NA	NA
/	2	Sunny	10:35	30.2	73.9	0.9		0	NA	NA		
2	1	Commun	10.20	31.8	31.8 76.8	0.0		0	NA	NA	NA	NA
2	2	Sunny	10:39					0	NA	NA	NA I	
2	1	Commun	10.10	21 5	74.4	0.0	003	1		Ciala unita al	Diama	Biogas Tank Valve
3	2	Sunny	10:40	31.5	74.4	0.8	003	1	Intermittent	Side wind	Biogas	Holder
F	1		10.15	21.1	00.1	0.4	242	1		Ciala unita al	Carrow	
5	2	Sunny	10:45	31.1	82.1			1	Intermittent	Side wind	Grassy	Nearby Vegetation



Location	Panellist	Weather	Time	т	RH	ws	WD (Degree)	Odour	Duration of	Direction from	On-Site Observation	
Loca	Pane	Wea	Time	(°C)	(%)	(m/s)	W (Deg	Intensity	Odour	Source	Odour Characteristics	Potential Odour Source
6	6 1 Sur	Sunny	Sunny 10:48	31.0	77.4	1.4	154	1	Intermittent	Side wind	Garbage	Pre-treatment Hall
Ũ		ounny	10110	0110				1				
9	1	Sunny	10:54	30.0	84.8	1.4	115	0	NA	NA	NA	NA
7	2	Sunny	10.54	30.0	04.0	1.4	115	0	NA	NA		
10	10 1 2	Sunny	10:57	25.2	79.7	NIA	ΝΙΑ	1	Continuous	NA	Much	A
10			10:57	25.2	/9./	NA	NA	1	Continuous	NA	Musty	Air conditioner

Remark:

Air Temperature ; Relative Humidity; Wind Speed; Wind Direction. T:

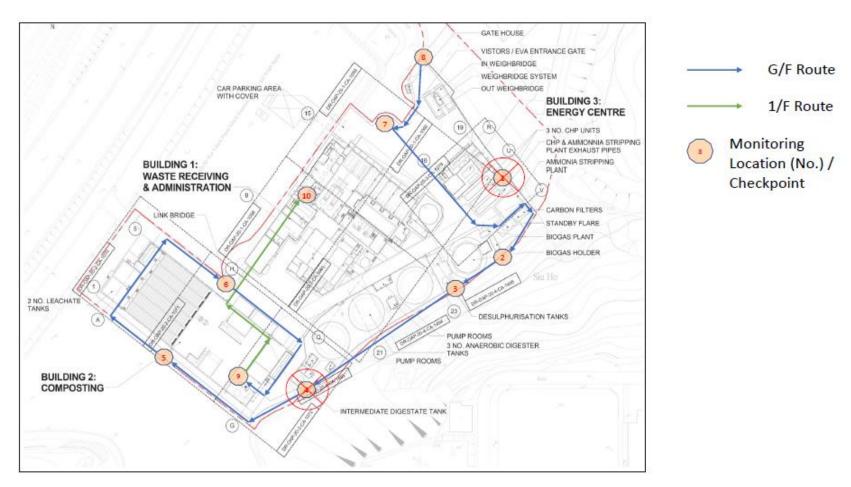
RH:

WS:

WD:



Odour Patrol Route





Odour Patrol Locations Photos



Location: 2



Location: 3



Location: 7



Location: 8



Location: 5



Location: 9



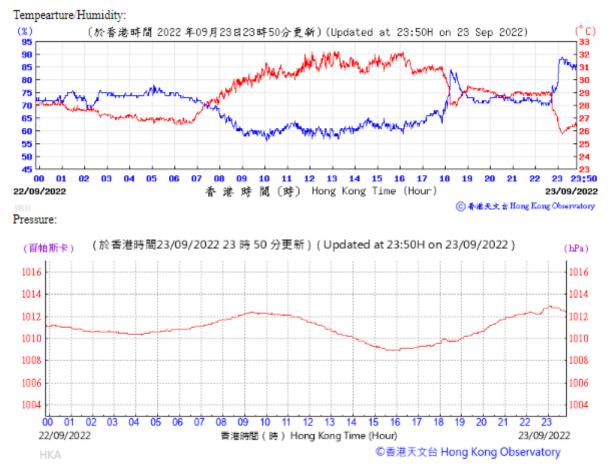
Location: 6



Location: 10



Extract of Meteorological Observations from Hong Kong Airport Observatory Station





Wind Direction:

